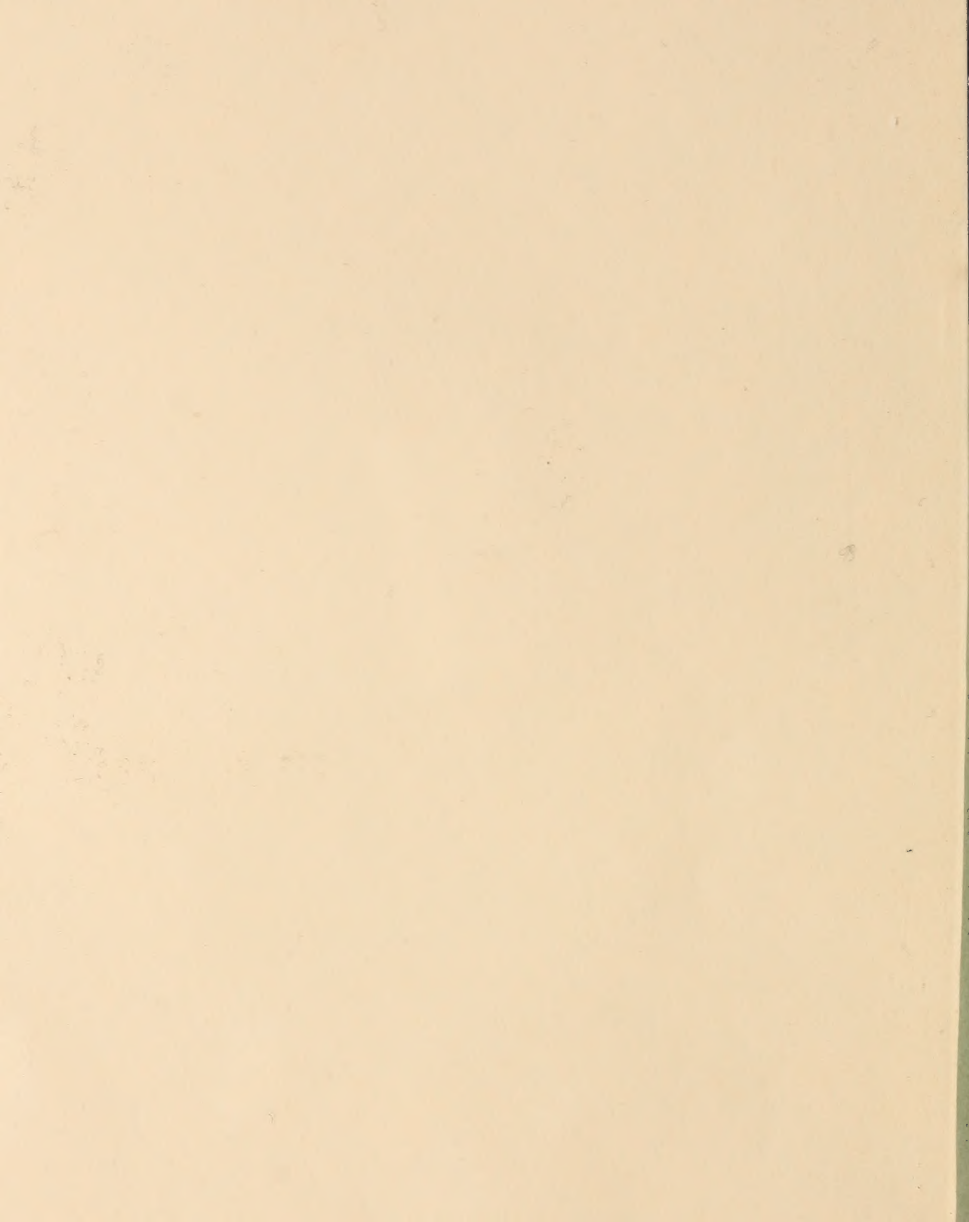


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U.S. DEPT. OF AGRICULTURE
WASHINGTON, D.C.

JONES
The Seedman

11 N. IONIA ST.
GRAND RAPIDS, MICH.

1903

Market Gardeners'
Wholesale
Price List

JONES THE SEEDMAN

MARKET
GARDENERS'
WHOLESALE
PRICE LIST
FOR 1903



11 NORTH IONIA STREET
GRAND RAPIDS, MICHIGAN

JONES' MARKET GARDENERS' WHOLESALE PRICE LIST FOR 1903

ALL of our seeds are tested as to Germinating quality.

The prices herein quoted we will adhere to as far as possible, but we reserve the right to change the price without notice. Many varieties of sweet corn are impossible to obtain and when we sell out will have to remain sold out on those sorts. We buy only from good growers and take every precaution to get the best seeds obtainable, and should they prove not true to name we will replace them with other seeds or refund the money paid.

Purchasers by mail will add to these prices a sufficient amount to cover postage. On quantities of from one-half pound upwards, 8 cents per pound; 15 cents per quart for peas and beans, or 10 cents per quart for sweet corn. All seeds in quarter pounds or ounces prepaid.

Remit by Postoffice Money Order, Express Order or Bank Draft.

JONES, THE SEEDMAN
11 NORTH IONIA STREET, GRAND RAPIDS, MICHIGAN

NOVELTIES IN VEGETABLE SEEDS

BEANS.



Burpee's Stringless Green Pod. Very early and hardy. For either market or home garden; no other green podded bean is so satisfactory. The pods are a rich green, very round and straight, five inches long, solidly meaty, tender and brittle; always entirely stringless even when fully matured.

Giant Stringless Green Pod. This new variety should not be confused with Burpee's Stringless Green Pod. It resembles more closely the Valentine, the pods averaging one-third larger than the latter variety. The plants are of strong growth, the pods five to six inches in length, absolutely stringless, crisp, round, full and fleshy; follows Burpee's Stringless Green Pod.

BEETS.

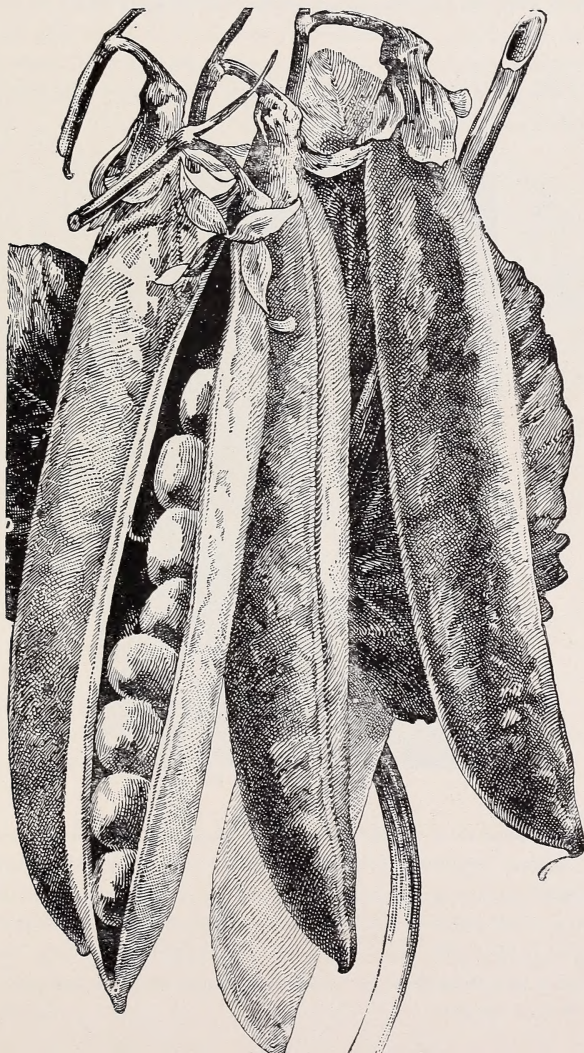


Crosby's Egyptian. The earliest beet on the market, a selection from the Early Egyptian which retains the earliness of the parent stock and has added thickness, giving it a more desirable shape. Color deep red, almost black; sweeter and smoother than the Egyptian. It is a rapid grower and the most desirable sort for early bunching; can be sown as late as July.

Acme. This new variety is just becoming recognized as one of the very best main crop beets. The top is low, spreading, dark color, roots thick, turnip shaped with small tap root. Outside color dark purplish red, flesh crimson and ninety per cent. of the beets have no white zones. It is superior in both shape and color to the Detroit Dark Red, which it resembles, and is a remarkably long keeper. Especially adapted to gardeners and canner's use.

Giant Feeding Sugar Beet or Half Sugar Mangel. This valuable stock beet is the result of careful seed breeding and selection. It has the richness of the sugar beet combined with the size and yield of the mangel. It will yield twice as much as the sugar beet, is much easier handled and keeps better and in every way is more valuable to the farmer; roots are large ovoid in form, very smooth, white in color with small tops. It should be planted closer than mangels.

PEAS.



PEAS—CONTINUED.

Gradus. From the market gardeners' stand point too much cannot be said in praise of the *Gradus* or *Prosperity*. It is extra early, being but 2 or 3 days later than the very earliest. Pods very large from 4 to 4½ inches in length, peas large and handsome and as sweet as the Champion of England. The vine has heavy stems with large dark green leaves and grows from 2½ to 3 feet high.



THE "NEW SURPRISE" PEA.

Gregory's Surprise or Eclipse. This is the earliest of all wrinkled peas, fully as early as the Alaska. The vines grow about 18 inches high and require no bushing; a fall cropper. Though equally as early as the smooth sorts it has the delicious sweetness of the wrinkled peas. The pods continue longer in condition for the table than the smooth varieties. The crop matures very evenly so that it can be gathered in one or two pickings. From the more tender character of the wrinkled peas it cannot be planted quite so early as the Alaska or First and Best.

THE DELICIOUS SQUASH.



The Delicious is the product of the work of years in careful selection, crossing and isolating by the originator of the old Hubbard and all who have tested the *Delicious* pronounce it superior to even the Hubbard when it was at its best a quarter of a century ago. In form the *Delicious* ranges between the two examples given above. Its color is almost uniformly of a green shade, with occasionally a blue specimen. In size it follows closely the original Hubbard, which weighed between five and ten pounds. In thickness of flesh it surpasses nearly every variety, the color being a dark orange. For table use no squash compares with it in its fineness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, but like the old Hubbard, though at any time excellent, does not acquire its best qualities until winter. Seed of the *Delicious* will be retailed the coming season in packages only, at fifteen cents each, four for fifty cents.

CUCUMBER.

Rawson's White Spine. Mr. Rawson selects the specimens for seed stock from the vines saved in the green house in early winter where nothing is allowed to grow except the vines for seed stock. The fruit grows very even in size and regular in form, color dark green, with light spines running from the blossom end. The very best cucumbers for forcing. Nine-tenths of the cucumbers grown in Grand Rapids green houses are grown from this seed.

CABBAGE.

(New Savoy—Iron Head.)

Earliest. Large; this is the very best of all the tender and solid, Early Savoy Cabbage. The heads are round, very large, of best flavor and hard as iron. It is the earliest of all. Market gardeners will find it a money maker.

RADISH.

Scarlet Conical. Absolutely the best forcing radish on account of quick growth, extremely small tops, and the length of time they will stand without becoming pithy. Color brilliant scarlet, shape conical, flavor is all that can be desired and is very tender and brittle; equally as good for outdoor raising as for green house.

TOMATOES.

Spark's Earliana. *The earliest smooth bright red Tomato of good size and flavor.* A heavy bearer, nearly all of the fruit ripens very early in the season. The tomatoes are a deep scarlet and grow closely together in clusters of from five to eight.

THISTLEINE KILLS CANADA THISTLES.

JONES' MARKET GARDENERS' WHOLESALE PRICE LIST FOR 1903

ASPARAGUS.

ROOTS.

	Per 100	Per 1000
Palmetto, two year old roots	\$1 50	\$6 00

SEEDS.

	Oz.	¼ lb.	lb
Palmetto	10	20	75
Conover's Colossal	10	20	60

BEANS.

(One pint to 100 feet of drill, 1 bushel per acre.)

DWARF SNAP OR BUSH,

(Green Podded Sorts.)

	Qt.	4-Qt.	Peck	Bush.
Burpee's Stringless Green Pod. See novelties.....	25	80	\$1 50	\$5 00
Round Yellow Six Weeks. Early, pod long, flat, light green	20	75	1 25	4 50
Round Yellow Six Weeks. Improved strain of long Yellow Six Weeks, pods not so long but more fleshy and brittle, nearly stringless	20	75	1 25	4 50
Giant Stringless Green Pod. See novelties.....	20	75	1 50	5 00
Emperor William. Earlier than the Dutch Case Knife, pods very tender and excellent flavor, nearly as long as Dutch Case Knife, a Dwarf Bush Bean	20	75	1 50	5 00
Refugee or 1000 to 1. Pods nearly round, pale green, solid, fleshy, brittle with but slight strings.....	20	75	1 25	4 50
Dwarf Horticultural. Vines very productive, pods medium length, cylindrical, covered with splashes of bright red on a yellowish ground, beans very large and easily shelled.....	20	75	1 50	5 00
Longfellow. New, pods very long, stringless, vines immensely productive	25	90	1 60	6 00

BEANS—CONTINUED.

WAX SORTS.

	Qt.	4-Qt.	Peck	Bush.
Dwarf Golden Wax. One of the best early wax varieties, pods long, flat, fleshy, color bright golden.....	25	90	\$1 75	\$7 00
Challenge Black Wax. Early, round, clear, waxy white, fleshy, crisp, tender and stringless.....	25	90	1 75	7 00
German Black Wax. Earliest wax podded bean, pods long, curved, round, deep golden yellow, meaty, brittle and stringless	25	90	1 75	7 00
Davis' Kidney Wax. Immensely productive, pods very long, straight and handsome; color light yellow, should be picked young	25	90	1 75	7 00



Wardwell's Kidney Wax Beans.

Wardwell's Kidney Wax. Early, good cropper, pods long, straight, fleshy, rich yellow and stringless.....	25	90	1 75	7 00
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POLE OR RUNNING.

Seibert's Early Lima. The earliest true pole lima.....	25	85	1 70	6 50
King of the Garden. Late, very productive, large pods containing five or six large well flavored beans.....	25	85	1 70	6 50
Dutch Case Knife. Pod long, flat, green, seed white, used largely for slicing and canning.....	25	75	1 50	6 00

BEANS—CONTINUED.

LIMA BEANS.

(One pint to 100 hills.)



Burpee's Bush Lima Beans.

	Qt.	4-Qt.	Peck	Bush.
Burpee's Bush Lima. A bush form of true large lima, very productive, bean large and of fine flavor	30	\$1 00	\$1 80	\$7 00

BEETS.

(One ounce to 100 feet of drill. Seven pounds per acre.)

The color of beets depends largely on the season and cultivation. Richest coloring is developed during cool moist weather.

	Oz.	¼-lb.	lb.	5-lb.
Jones' Crosby's Egyptian. Selected stock, see novelties.....	10	20	70	\$3 00
Crosby's Egyptian	5	15	50	2 00
Eclipse. A superior market garden beet, blood red, very early, excellent for greens and for bunching beets.....	5	15	40	1 80
Early Blood Turnip. Not so early as Detroit Dark Red, tops and roots larger.....	5	15	40	1 80

BEETS—CONTINUED.

	Oz.	¼-lb.	lb.	5-lb.
Detroit Dark Red. A favorite sort for bunching; early, dark red, perfect turnip shape, tops small.....	5	15	50	\$2 25
Acme. See novelties.....	10	20	70	3 00
Early Bassano.....	5	15	50	2 00
Bastian's Early Turnip.....	5	15	50	2 00
Long Dark Blood.....	5	15	40	1 80
Dewing's Blood Turnip. A favorite variety with market gardeners for main crop and winter storing; roots smooth, almost round, outer color dark red, inner color ringed red and white.....	5	15	50	2 00



Edmand's Blood Turnip. One of the best main crop beets; tops small, good form, color deep blood red, zoned with lighter shade.....	5	15	50	2 00
Swiss Chard or Sea Kale Beet. Superior to beets for greens; plant forms broad wax like stems which may be used as a salad or pickled.....	5	15	50	

SUGAR BEETS.

(5 to 7 lbs. per acre.)

	Oz.	¼-lb.	lb.	5-lb.
Giant Feeding Sugar Beet. See novelties.....	5	10	30	1 25
Lane's Imperial. One of the best for stock feeding.....	5	10	30	1 25
Vilmorin's Imperial	5	10	30	1 25
Klein's Wanzleben. Best German.....	5	10	30	1 25

BEETS—CONTINUED.

MANGEL WURZEL.

(5 to 7 lbs. per acre.)



	Oz.	$\frac{1}{4}$ -lb.	lb.	5-lb.
Mammoth Long Red	5	10	25	\$1 00
Golden Tankard	5	10	25	1 00
Orange Globe	5	10	25	1 00

BORECOLE OR KALE.

(1 oz to 3000 plants.)

Tall Green Curled	10	20	60
Dwarf Green Curled	10	20	60

BROCOLI.

(1 oz. to 5000 plants.)

	Oz.	$\frac{1}{4}$ -lb.	lb.
Mammoth White	30	80	\$2 00

BRUSSELS SPROUTS.

(1 oz. to 5000 plants.)

Paris Market	15	40	1 50
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CABBAGE.

1 oz. to 2000 plants; 2 oz. sown thinly provide enough plants for one acre.



	Oz.	$\frac{1}{4}$ -lb.	lb.
Jones' Earliest Jersey Wakefield. Forms solid heads of fair size; conical in shape with few outside leaves. This is the earliest strain of this variety and is remarkably pure.....	20	75	\$2 50

CABBAGE—CONTINUED.

	Oz.	¼-lb.	lb.
Charleston or Large Wakefield. A strain of the Wakefield in which the head is larger, a little later and not so pointed; a good cabbage to follow early Jersey Wakefield.....	25	75	\$2 50
Early Spring. Nearly as early as Early Jersey Wakefield; heads round, solid, but not large.....	20	75	2 50

SECOND EARLY.



Henderson's Early Summer. Large, round, solid heads, keeps longer without bursting than most of the early sorts; one of the best Second Early Cabbage.....	20	60	2 00
All Head. For the second early market.....	20	60	2 00
Early Flat Dutch	15	40	1 50
Early Winingstadt. Heads large, cone shaped and solid; very early and sure to head.....	20	60	2 00
All Seasons	20	60	2 00
Henderson's Succession. About 10 days later than Early summer; heads larger and more uniform.....	20	60	2 00
Fottler's Early Brunswick. Earliest of the large heading Drumheads... ..	15	45	1 50
Fielderkraut	15	45	1 50

CABBAGE—CONTINUED.

LATE KINDS.



	Oz.	$\frac{1}{4}$ -lb.	lb.
Surehead. Strong, vigorous, uniform, large, solid and quality fine.....	20	60	\$2 00



Jones' Late Flat Dutch. A very fine strain of this variety; heads large and more solid than the loose headed Flat Dutch	20	60	2 00
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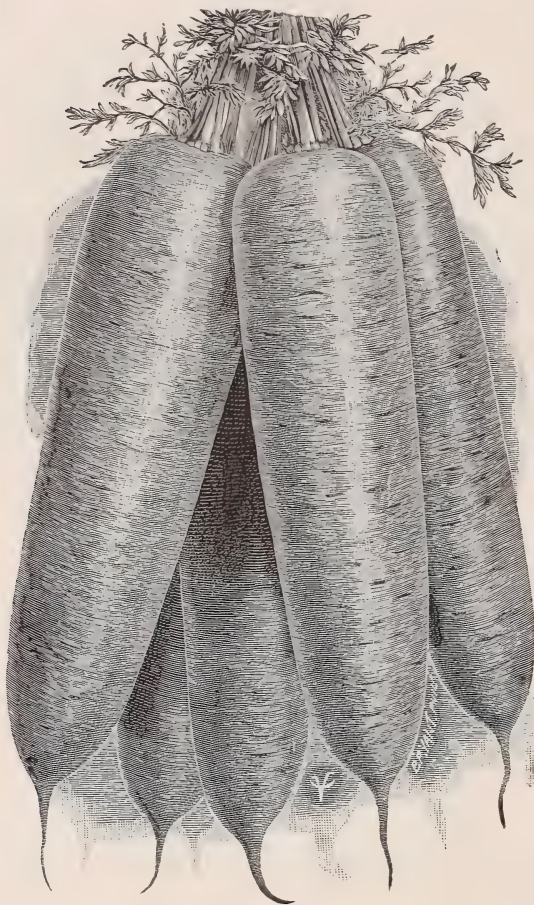
CABBAGE—CONTINUED.



	Oz.	¼-lb.	lb.
Danish Round Winter. The best cabbage for late spring sales and for shipping; the heads of this variety are of medium size, are very solid and deep, and of a fine white color; their quality is superior and they keep better than any other sort.....	20	75	\$2 50
Hollander	20	75	2 50
Large Late Drumhead. Very large solid head	20	40	1 50
Deep Head	15	40	1 50
Stone Mason	15	40	1 50
Luxemburg or Hard Heading. Large, solid and good keeper	20	60	2 00
American Savoy	15	40	1 50
Iron Head Savoy. See novelties.....	30	90	3 50
Mammoth Rock Red. Large, round, solid, deep red.....	20	60	2 00

CARROTS.

(One ounce to 150 feet of drill, about one pound per acre.)



Danver's Half Long. Very productive and adapted to all kinds of soil, roots smooth and handsome of medium length, deep orange color, flesh sweet and tender.....

Oz.	$\frac{1}{4}$ lb	lb
10	25	75

CARROTS—CONTINUED.



	Oz.	$\frac{1}{4}$ lb	lb
Chantena. The best for market garden; tops medium size; necks small; roots tapering slightly, but stump rooted; color deep orange red.....	10	25	75
Guerand or Ox Heart. A thick carrot, very blunt on the end, easy to gather, a great cropper.....	10	25	75
Early French Short Horn. Early, good bunching carrot.....	10	25	75

CARROTS—CONTINUED.

	Oz.	¼-lb.	lb.
Improved Long Orange. A good cropper on deep mellow soil, the old standard for stock feeding.....	10	20	60
White Intermediate.....	10	25	75
Long White Belgian. Stock carrot, very large.....	5	15	50
Long Yellow Belgian. Stock carrot.....	5	15	50

CAULIFLOWER.

(2½ oz. should produce enough plants for one acre.)



	Oz.	¼-lb.	lb.
Early Snowball. The best; the heads are solid, compact and round, very white and kurd like.....			
			\$2 00

CELERY.

(1 oz. of seed to 15000 plants; per acre 2 oz.)

White Plume. Early, uniformly white and free from green or hollow stalks	20	60	\$2 00
Golden Self Blanching. Rich golden yellow, close compact growth, easily blanched, crisp and solid; better than White Plume.....	30	1 10	4 00
Dwarf Golden Heart. Good main crop variety for fall and winter; produces large bunches with solid heart, waxy yellow.....	15	40	1 50
Evans' Triumph. This new variety is one of the best late sorts, very strong and vigorous with large, very white, crisp, tender and finely flavored stalks. It is late and requires the whole season to develop, and will keep longer than any other celery.....	20	60	2 00
Kalamazoo Large Ribbed. Half dwarf white.....	15	40	1 50

CELERY—CONTINUED.



	Oz.	¼-lb.	lb.
Perfection Hartwell. One of the best late sorts, producing large bunches of tall broad stalks, blanching to golden yellow.....	15	40	\$1 50
Giant Pascal	20	50	1 60
Soup or Cutting. Sown thickly in rows and cut when three or four inches high; used for flavoring soup.....	20	40	1 25

CELERIAC OR TURNIP ROOTED CELERY.

Smooth Prague	20	40	1 50
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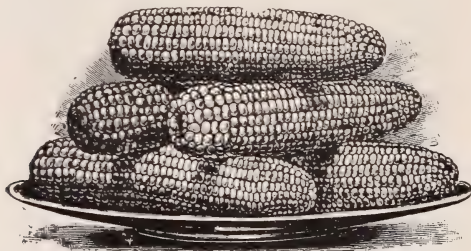


CORN SALAD—Feld Salat.

	Oz.	¼-lb.	lb.
Used during the winter and spring as a substitute for lettuce and spinach	10	20	60

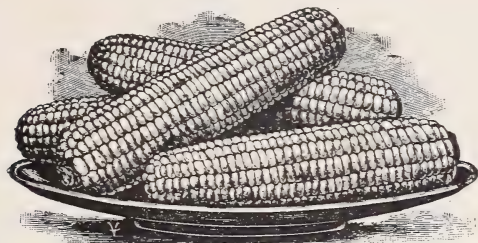
SWEET CORN.

Our sweet corn is grown for us in Connecticut by one of the best growers in the United States. The eastern grown corn is both earlier and sweeter than that grown in the west. While the cost is a little more the quality fully makes up for the difference in price. $\frac{3}{4}$ pint to 100 hills; 6 to 8 quarts per acre.



	Qt.	4-Qts.	Peck	Bush.
Early White Cob Cory. One of the best for the early market; ears fair size, cob white, and quality good.....	20	75	\$1 25	\$4 50
Oakview Early Market. Similar in general character to Mammoth White Cory but with larger ears and quite as early	25	75	1 50	5 50
Mammoth White Cory. Ears are 12 rowed; larger than White Cory and nearly as early.....	25	75	1 50	5 00
New Metropolitan. But a few days later than White Cory; ears set low, 10 to 12 rows, well filled to the top with large, tender kernels	20	60	1 10	4 00
Kendel's Early Giant. Large handsome ears; ready for use in 60 or 70 days.....	20	60	1 10	4 00
Early Champion. Earliest large sweet corn; very sweet and tender	20	50	90	3 50
Burbank's Early Maine. Very early, large, pure white ears, of first class quality; good market corn.....	20	50	90	3 50
Early Minnesota. Popular old variety.....	20	60	90	3 75
Early Crosby. This is the sort so largely grown in Maine for canning and which has given Maine canned sweet corn its reputation for quality; crop short, supply limited.....	20	60	1 00	3 75
Black Mexican. When ready for use pure white, but the ripe grain is black; the sweetest variety and best for home garden	20	60	1 10	4 00
Perry's Hybride. Matures a little later than the Minnesota; ears very large.....	20	50	1 00	3 50

SWEET CORN—CONTINUED.



	Qt.	4-Qts.	Peck	Bush.
Old Colony. Matures a little earlier than Stowell's Evergreen, a great producer, best for fodder.....	20	60	\$1 10	\$4 00
Country Gentleman. Very small white cob, well covered with irregular rows of long slender kernels, very sweet.....	25	70	1 20	4 50
Early Evergreen. One to two weeks earlier than Stowell's Evergreen, ears large and of best quality	20	60	1 00	4 00
Stowell's Evergreen. The standard main crop variety; crop very short, supply limited.....	20	60	1 00	4 00



Mammoth. Produces the largest ears, quality sweet, tender and delicious.....	20	60	1 00	4 00
Mixed Sweet Fodder.....				3 00

CRESS.

	Oz.	$\frac{3}{4}$ lb	lb
Extra Curled or Pepper Grass.....	5	15	40

CUCUMBER.

(1 oz. to 100 hills; 1 lb per acre.)

Rawson's Arlington White Spine. See novelties; sealed packages.....	30	\$1 00
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CUCUMBERS—CONTINUED.

	Oz.	$\frac{1}{4}$ -lb	lb
Arlington White Spine.....	20	60	\$2 00
Improved Long Green.....	20	60	2 00
Nichols' Medium Green.....	20	60	2 00
Chicago Pickling. One of the best sorts for pickling.....	20	60	2 00
Boston Pickling or Green Prolific.....	20	50	1 50
Early Frame.....	20	50	1 50
Early Cluster.....	20	50	1 50
Early Russian.....	20	50	1 50
Cool and Crisp.....	20	50	1 50
Fordhook Pickling.....	25	75	2 50
Gherkin. A very small oval variety, prickly, quite distinct from all others.....	20	60	2 00

ENDIVE.

($\frac{1}{4}$ oz. to 100 feet of drill; $4\frac{1}{2}$ lb per acre.)

Moss curled.....	10	30	\$1 00
Green Curled.....	10	30	1 00
Broad Leaved Batavian.....	10	30	1 00

EGG PLANT.



(1 oz. to 4000 plants; 4 oz. per acre.)

New York Purple. Very large and smooth, and fine dark color.....	25	80	3 00
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KOHL RABI.

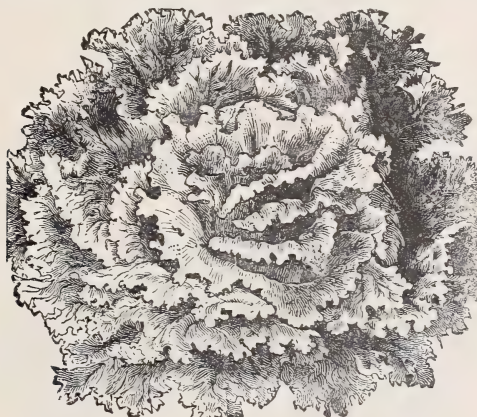
($\frac{1}{2}$ oz. to 100 feet of drill; 4 lb per acre.)

	Oz.	$\frac{1}{4}$ -lb	lb
White Vienna.....	20	60	\$2 00

LETTUCE.

($\frac{1}{4}$ oz. to 100 feet of drill; 3 lb per acre.)

Grand Rapids Forcing. The best forcing and shipping variety, will produce more pounds of lettuce on the same space and stand longer after maturity than any known sort.....	10	30	1 00
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Early Curled Silesia. Very early, best for family Garden.....	10	20	75
Black Seeded Simpson. Early, leaves large, thin, tender, growing in large loose clusters; good for forcing or early growing out doors for the early market.....	10	30	1 00
Prize Head. Leaves are large, crimped, bright green, tinged with brownish red	10	20	75
White Cabbage	10	20	75
Hanson. Very large heading variety	10	20	75
Black Seeded Butter. Large, smooth leaved, solid heading sort, inner leaves beautifully bleached and very tender, of fine flavor.....	10	25	80
Premium Cabbage	10	20	75
Sensation	10	20	75
Big Boston. A very popular market gardener's sort; the plants are large, hardy, leaves smooth, thin, light green in color; in doors this forms a solid head, a less distinctively heading sort when out of doors	10	30	1 00

LETTUCE—CONTINUED.

	Oz.	¼-lb	lb
White Paris Co.'s.....	10	20	75
Immensity	20	50	\$1 50

LEEK.

(⅓ oz. to 100 feet of drill, 4 lb per acre.)

Large Musselburg	10	30	1 00
Broad Scotch.....	10	30	1 00

MUSK MELON.

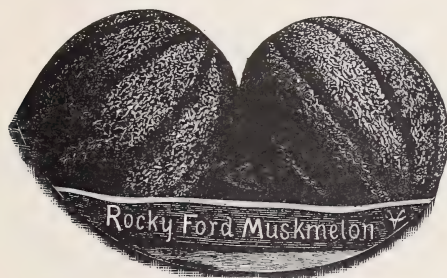
(1 oz. to 100 hills; 1 to 3 lb per acre.)

Jackson First Market. As early as the Grand Rapids Early Market; fair size, nearly as large as the Osage and of the same shape, when ripe color light yellow, flesh green, very sweet and spicy, vines highly productive, but melons are poor keepers				10	30	1 00
Grand Rapids Early Market. Very early, large, yellow; good sellers on account of earliness and large size.....				10	20	75



Paul Rose. For a shipping trade as a basket melon this new sort is unequalled; flesh yellow, very sweet and spicy.....	10	35	1 25
Osage. (Jones' Stock Seed.) Grown by a careful grower; this seed is saved from the very best and most perfect shaped melons, of the best quality; every melon must come up to the standard required; the Osage is becoming more popular every year, and is the most profitable melon to grow on account of being a heavy yielder and a good shipper and the demand yearly increases.....	20	60	2 00
Osage. Grown from stock seed.....	10	30	1 00

MUSK MELON—CONTINUED.



	Oz.	$\frac{1}{4}$ -lb	lb
Rocky Ford	10	25	70
Extra Early Green Nutmeg. One of the best sorts for hotels and restaurants	10	15	50



Emerald Gem	10	35	1 25
Extra Early Improved Hackensack	10	25	80
Bay View	10	20	70
Netted Gem	10	25	70

WATER MELON.

(4 oz. to 100 hills; $1\frac{1}{2}$ to 4 lb per acre.)

Cole's Early. Very early and sweet; good for home market	10	20	60
Triumph	5	15	50
Phinney's Early	5	15	50
Black Spanish	5	15	50

WATER MELON—CONTINUED.



	Oz.	$\frac{1}{4}$ -lb	lb
Monte Cristo or Kleckley's Sweet. A splendid variety for home garden or near market; fruit good size, long, somewhat tapering at the ends, skin dark green, flesh bright scarlet, very sweet, rind thin; not a good shipper	10	25	80



Sweet Heart	5	20	60
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WATER MELON—CONTINUED.

	Oz.	¼-lb	lb
Mountain Sweet.....	5	15	50
Kolb's Gem.....	5	15	50
Peerless.....	5	15	50
Dark Icing.....	5	15	50
Light Icing.....	5	15	50
Dixie.....	5	15	50
Hungarian Honey.....	5	15	50
Citron.....	5	15	50

ONIONS.

(½ oz. to 100 feet of drill; 4 to 5 lb per acre.)

Early Flat Red. A medium sized, early flat variety, very uniform in size and shape, moderately strong flavored.....	10	40	\$1 00
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Large Red Wethersfield. A popular red sort, good keeper	10	40	1 00
Australian Brown. A small, early onion; one of the best keepers; quality good.....	10	40	1 00



Philadelphia Silver Skin or Portugal. The best white onion for sets..	20	50	1 75
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ONIONS—CONTINUED.

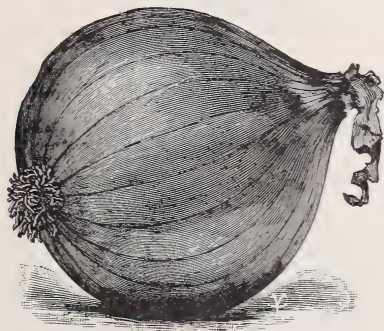


	Oz.	$\frac{1}{4}$ -lb	lb
Yellow Globe Danvers	10	40	\$1 00



Adriatic Barletta. Small, early, white onion; used for pickling.....	15	50	1 75
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ONIONS—CONTINUED.



	Oz.	$\frac{1}{4}$ -lb	$\frac{1}{2}$ -lb
Michigan Yellow Globe. True globe, best on muck land, rich orange color	10	40	\$1 25
Prizetaker or Mammoth Yellow Spanish	10	30	1 10
Southport Yellow Globe	10	40	1 25



Southport Large White Globe. Large, solid and handsome.....	20	50	1 75
Mammoth Silver King. Very large handsome white flat onion.....	20	60	2 00

ONIONS—CONTINUED.



	Oz.	$\frac{1}{4}$ -lb	lb
Southport Red Globe. Medium size, small neck, very deep rich color..	15	40	\$1 30
New Queen. Early, very white skinned; small, especially valuable for pickling	15	50	1 75

PARSLEY.

($\frac{1}{4}$ oz. to 100 feet of drill; 3 lb per acre.)

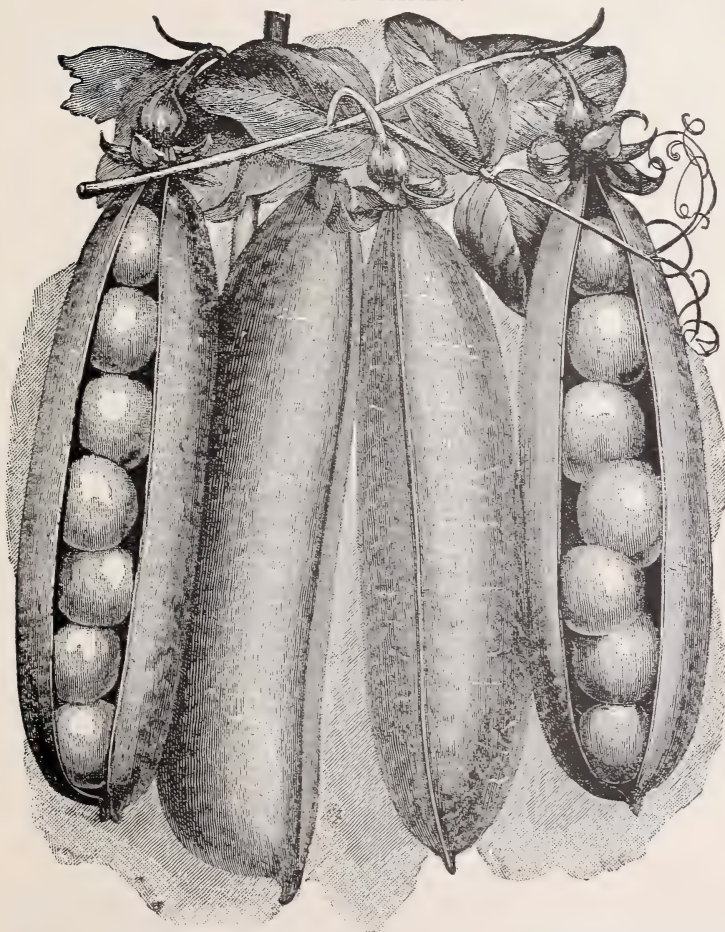


Champion Moss Curled	10	20	60
Fine Triple Curled. Fine curled and a stronger grower than Champion Moss Curled	10	20	60

PEAS.

(1 pint to 100 feet of drill; 1 to 3 bush. per acre.)

EXTRA EARLY.



	Qt.	4-Qts.	Pk.	Bush.
First and Best. Very early, popular for market and shipping	20	65	\$1 20	\$4 75

PEAS—CONTINUED.

	Qt.	4-Qt.	Pk.	Bush.
Alaska. The earliest and most popular blue pea, takes the lead now for early market pea.....	20	\$ 65	\$1 20	\$ 4 50
Gradus. See novelties	40	1 50	3 00	12 00
Eclipse or Surprise. See novelties.....	25	95	1 50	6 00
Nott's Excelsior. Best early dwarf wrinkled pea, better bearers than American Wonder or Little Gem, quality just as good	30	95	1 85	7 00
American Wonder	30	95	1 85	7 00
McLean's Lettle Gem	30	90	1 80	7 00
Premium Gem	30	90	1 70	6 50
May Queen	20	65	1 20	4 50

MAIN CROP.

McLean's Advancer	20	65	1 20	4 50
Yorkshire Hero. Very productive; peas large.....	20	65	1 20	4 50
Champion of England	20	60	1 10	4 00
Telephone. Best main crop variety; pods very long, peas large and sweet	20	65	1 25	5 00
Dwarf Telephone or Daisy	25	95	1 75	6 50
Bliss' Everbearing	20	65	1 25	4 50
Pride of the Market. Vines of medium height, stiff, with large dark green leaves, bearing at the top very large pods well filled with large good flavored peas; one of the best large podded sorts.....	20	65	1 25	4 50
Sharp's Queen. Pods very large, vines quite productive; excellent for market garden	20	65	1 25	4 50
Improved Stratagem. Vines 18 inches in height and very stocky, pods long, well filled with large peas.....	25	75	1 40	5 50
Large White Marrowfat	15	45	80	3 00
Black Eyed Marrowfat	15	45	80	3 00
Melting Sugar. Edible pods.....	30	90	1 60	6 00

PARSNIPS.

$\frac{1}{4}$ oz. to 100 feet of drill; 3 lb per acre.)

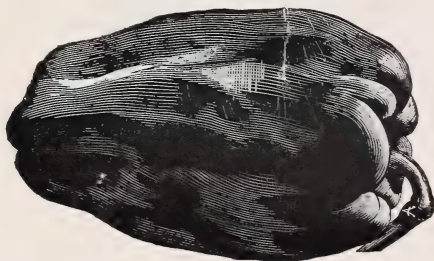
	Oz.	$\frac{1}{4}$ -lb	lb
Hollow Crown. The old standard.....	5	15	40
Long White Dutch or Sugar. Roots very long, white, smooth and tender	5	15	40

PEPPER.

(1 oz. to 5000 plants; 3 oz. per acre.)



	Oz.	¼-lb	lb
Ruby King. 4½ to 6 inches long, mild, one of the best for stuffed pickles	20	60	\$2 00
Sweet Mountain. Very productive, when ripe the peppers are a bright red, flesh thick, sweet and mild.....	20	60	2 00



Large Bell or Bull Nose.....	20	60	2 00
Cinese Giant Pepper. Fruit very large, scarlet, flesh thick, very mild, plant grows to a height of 2 feet; this sort is later and should be started early.....	50	1 75	6 50
Long Red Cayenne.....	20	60	2 00

PUMPKIN.

(⅓ Qt. to 100 hills; 3 to 4 lb per acre.)

Large Cheese or Kentucky Field. Popular for family use; flat shape..	5	15	40
Quaker Pic. Nearly oval, cream colored, best quality.....	5	15	40

PUMPKIN—CONTINUED.

	Oz.	¼-lb	lb
Sweet Potato.....	5	15	40
Common Yellow or Connecticut Field.....	5	10	30

RADISH.

($\frac{2}{3}$ oz. to 100 feet of drill; 10 to 12 lb per acre.)

Vick's Scarlet Globe. Good variety for forcing, equally good out doors....	5	15	50
Scarlet Conical. See novelties.....	10	20	70



Scarlet Turnip White Tip. One of the earliest turnip shaped radishes, very handsome, good flavor; favorite on Grand Rapids market	5	15	50
Cincinnati Market. Long smooth, tops small, flesh very tender; does not become pithy or hollow.....	5	15	50
Wood's Early Frame. Good early, long scarlet	5	15	50
French Breakfast.....	5	15	50
Long Scarlet Short Top	5	15	50
Early Scarlet Turnip.....	5	15	50
Long White Vienna or Lady Finger.....	5	15	50
Philadelphia White Box.....	5	15	40
Chartier	5	15	50
Half Long Deep Scarlet.....	5	15	50

RADISH—CONTINUED.



	Oz.	¼-lb	lb
Long Brightest Scarlet. White tipped.....	5	15	50
Giant White Stuttgart. A mammoth white summer radish.....	5	15	50
Long Black Spanish.....	5	15	50
Round Black Spanish.....	5	15	50
China Rose or Scarlet China. One of the best fall and winter radishes....	5	15	50

SPINACH. *

(½ oz. to 100 feet of drill; 8 lb per acre.)

Thick Leaved. Large dark green leaves, the most popular variety for the market.....	5	10	20
Bloomsdale or Savoy Leaved. Curly, thick and fleshy.....	5	10	20
Long Standing. Leaves smooth, dark green.....	5	10	20
New Victory. Dark black green leaves; splendid for spring sowing.....	5	10	20
Prickly Winter. Very hardy, leaves triangular or arrow shaped; hardest for fall sowing.....	5	10	20

SALSIFY OR VEGETABLE OYSTER.

(¾ oz. to 100 feet of drill; 8 lb per acre.)



	Oz.	¼ lb	lb
Mammoth Sandwich Island. This is a large strong growing plant, less liable to branch than the large white.....	10	30	\$1 00
Large White	10	30	1 00

SQUASH.**SUMMER VARIETIES.**

(4 oz. to 100 hills; 2 lb per acre.)

	Oz.	¼ lb	lb
White Bush Scallop.....	10	20	70
Mammoth White Bush. Twice the size of above.....	10	25	80
Yellow Bush Scallop.....	10	20	60
Mammoth Yellow Bush. Large yellow, very early.....	10	25	80
Summer Crookneck. The old standard sort, very early.....	10	20	70
Giant Summer Crookneck. Very large.....	10	20	70

FALL AND WINTER SQUASH.

(8 oz. to 100 hills; 2 lb per acre.)

Boston Marrow. Good for autumn use	10	25	80
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SQUASH—CONTINUED.

	Oz.	¼-lb	lb
Hubbard	10	25	90



Chicago Warty Hubbard. Much larger and more warty than the old Hubbard.....	10	30	\$1 00
Sibley or Pikes Peak	10	30	1 00
Faxon. Very productive winter squash, fine keeper.....	10	20	75
Delicious. See novelties, packages only.....	Package 15 cts, 4 for 50 cts.		

TOMATOES.

(1 oz. to 4500 plants; 1 to 2 oz. per acre.)

	Oz.	¼-lb	lb
Spark's Earliana. See novelties.....	40	\$1 30	\$6 00
Dwarf Champion. Very early, fruit bright pink, smooth and regular.....	20	75	2 75
Early Michigan	20	75	2 50
Honor Bright. Bright red, good for shipping.....	20	75	2 50
Livingston's Favorite. Large smooth, productive; a good shipper and canner.....	20	60	2 00
Livingston's Perfection. Large size, productive, fine blood red; good canner.....	20	60	2 00
Livingston's Beauty. Large, smooth, fruit purplish pink, thick flesh; good canner.....	20	60	2 00

TOMATOES—CONTINUED.



	Oz.	$\frac{1}{4}$ -lb	lb
New Stone. Very large, smooth, bright scarlet, solid; splendid canner..	20	60	\$2 00
Acme	20	60	2 00
Magnus. New, color of Beauty, but thicker leaves and more solid, very productive, matures quickly and will take first rank for early market	25	70	2 50
Golden Queen.	20	60	2 00
Red Cherry	25	70	
Yellow Plum	25	70	

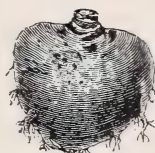
TURNIP.

(1 oz. to 250 feet of drill; 1 lb per acre.)

New White Milan. Very early, white; the best for bunching.....	10	20	70
Purple Top Milan. Early	5	15	50
Purple Top Munich ..	5	15	40
Purple Top Strap Leaf	5	10	30
White Egg. Very handsome, good early or late turnip for the market..	5	20	50

TURNIP—CONTINUED.

	Oz.	$\frac{1}{4}$ -lb	lb
Purple Top White Globe.....	5	15	40
White Flat Dutch.....	5	10	30
Cow Horn. Good stock turnip, heavy cropper.....	5	15	40
Large White Norfolk.....	5	15	40
Early White Stone	5	15	40
Yellow Stone.....	5	15	40
Sweet German. Flesh white, hard and firm, sow early.....	5	15	40



Yellow Aberdeen. Globe shaped, very large; good stock turnip.....	5	15	40
Robertson's Golden Ball. Small, early, fine quality.....	5	15	40
Yellow Globe	5	15	40

RUTABAGAS.



American Purple Top. Best yellow бага for market.....	5	15	40
Carter's Imperial Swede.....	5	15	40
New Breadstone or Budlong. Early, white and sweet.....	5	15	40
White Sweet Russian. Large, very desirable for either table use or stock feeding.....	5	15	40

HERBS.

	Oz.	lb		Oz.	lb
Caraway.....	10	50	Summer Savory.....	10	60
Dill.....	10	50	Sweet Marjoram.....	10	90
Lavender.....	15	\$1 25	Thyme.....	20	\$2 00
Sage, Broad leaved.....	10	1 00			

GRASS SEEDS.

Medium Clover. 8 to 12 lb per acre ..	Prices upon application
Mammoth Clover. 8 to 12 lb per acre ..	" " "
Alsike Clover. 6 lb per acre.....	" " "
White Dutch Clove. 6 lb per acre ..	30 cts per lb
Crimson Trefoil. 10 to 15 lb per acre ..	Prices upon application
Alfalfa or Lucerne. 15 to 20 lb per acre ..	" " "
Kentucky Blue Grass. 2 bush. per acre ..	\$1 60 per bush.
English Blue Grass. 1 bush. per acre ..	Prices upon application
Hungarian and Millet. ½ bush. per acre.....	" " "
Orchard Grass. 2 bush. per acre ..	\$2 25 per bush
Red Top, fancy clean. 8 to 10 lb per acre ..	1 50 " "
" " unhulled. 15 to 20 lb per acre ..	1 25 " "
" " in chaff. 20 to 28 lb per acre ..	60 " "
Timothy. 6 Qts. per acre.....	Prices on application

FIELD SEEDS.

Dwarf Essex Rape. 1 to 5 lb per acre ..	\$5 00 per 100 lbs
Cow Peas. ½ to 1 bush. per acre.....	Prices upon application
Whipperwill. Clay, early, black and mixed.....	" " "
Soy Beans. ½ to 1 lb per acre ..	" " "
Sorghum. Early, Amber, 3 to 4 lb per acre ..	" " "
Kaffr Corn. White, 3 to 6 lb per acre.....	" " "

FIELD CORN.

(4 Qts. per acre.)

Poney Dent. Small, early, long kernel, medium stalk.....	Prices upon application
Pride of the North. Large ear and stalk, long kernel, 90 days.....	" " "
Smut Nose. Flint, very long ear.....	" " "
Red Cob Ensilage. Very large, leafy stalk, used for fodder; corn sown in rows at the rate of 1 to 2 bush. per acre.....	" " "
Leaming Fodder. Earlier than Red Cob Ensilage.....	" " "

LAWN GRASS.

(1 lb to 600 square feet; 3 to 5 bush. per acre.)

Hill Lawn Mixture. Especially adapted to light soils and shady situations. A thick velvety sod is very hard to grow on the light sandy soil of the hill residence district, but four years actual use has demonstrated that the *Hill Lawn Mixture* will do better, last longer and grow a thicker sod than any lawn mixture on the market.

Price—1 lb, 25 cts.; 3 lb, 60 cts.

LAWN GRASS—CONTINUED.

CHICAGO PARK LAWN MIXTURE.

It will produce an even, dense growth of permanent sward as early in the season as it is possible to do with seed. This mixture contains no annual grasses for making a quick show to the detriment of a good lawn but only those of lasting value and hardiness.

Price—1 lb, 25 cts.; 3 lb, 60 cts.; 10 lb, \$1.75.

Bone Flour. Very fine, clean, no smell; will produce a luxuriant growth of grass, making a thick, velvety sod.

Price—10 lb, 50 cts.; 100 lb, \$3.00.

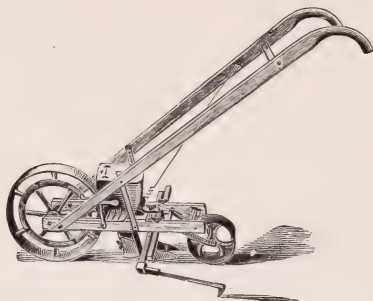
FLOWER SEEDS.

	Pkg. Oz.		Pkg.
Aster, tall mixed	10	Pansy, giant	10
" dwarf mixed	10	Poppy	10
Cosmos	10	Petunia	5
Castor Oil Beans	10	Phlox	5
Morning Glory, common	5	Sweet William	10
Morning Glory, Japanese	10	Verbena	10
Pansy, common mixed	5	Zinnia	10

SWEET PEAS.

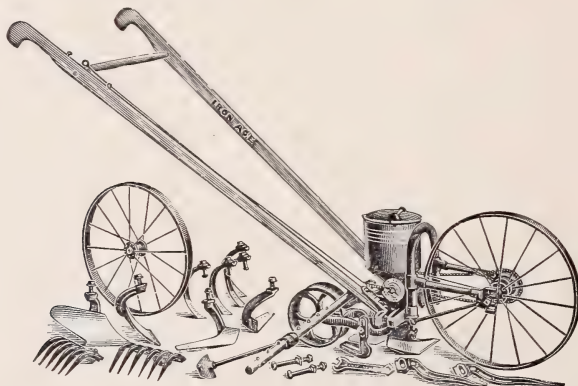
	Oz.	¼-lb	1-lb
Apple Blossom, bright pink	5	15	40
America, blood red striped	5	15	50
Aurora, white striped with bright	10	20	70
Bride White	10	20	70
Boreatton, dark maroon	5	15	40
Blanch Ferry, pink and white	5	15	40
Blanch Burpee, pink and white	5	15	40
Brilliant, crimson scarlet	10	20	60
Cupid Dwarf, white	5	15	40
Countess of Randor, lavender	10	20	60
Captain of the Blues, purplish blue	10	20	70
Emily Eckford, reddish mauve	5	15	40
Emily Henderson, pure white	5	15	40
Firefly, scarlet	5	15	40
Golden Gate, pinkish mauve	5	15	40
Gray Friar, general effect is gray	5	15	40
Indigo King, rich purple maroon	5	15	40
Lottie Hutchins, flaked pink on cream ground	10	20	70
Lady Mary Currie, new bright orange pink	10	30	1 00
Lovely Shell Pink	5	15	50
Maid of Honor, shaded light blue on white ground	10	30	1 00
Primrose, creamy yellow	5	15	40
Queen of England, white	5	15	40
Royal Robe, bright rose pink	5	15	50
Red and White Striped	5	15	40
Salopian, deep crimson	10	20	70
Shazada, dark maroon, shaded with purple	10	30	1 00
Senator, white ground, striped chocolate	5	15	50
Prize Mixture, the best	10	30	1 00
Large Flowering Mixed	10	25	70
Mixed, all colors	5	10	30

IRON AGE FARM AND GARDEN TOOLS



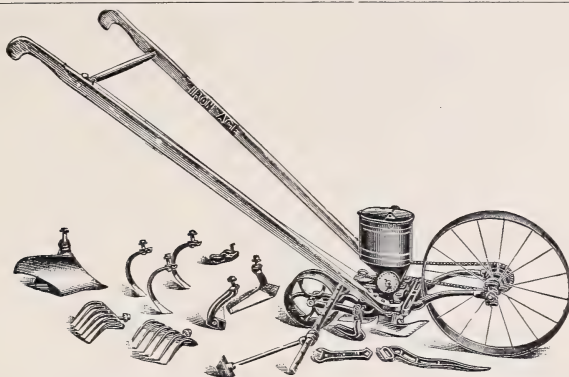
New Model Seed Drill.

The best drill for market gardeners. The best value in material, durability and merit. Each Drill tested, crated and carefully packed for shipment. Price reduced to \$7.50.



No. 4 Iron Age Combined Double Wheel Hoe Drill Seeder.

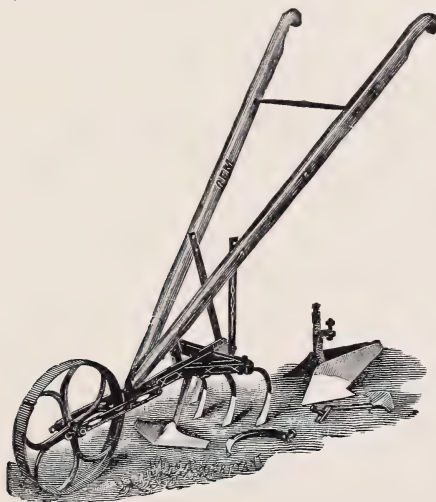
The most practical and complete combined tool on the market. Easy to adjust and operate, light and strong. Complete, \$10.00. As Drill Seeder, only \$7.00.



No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder.

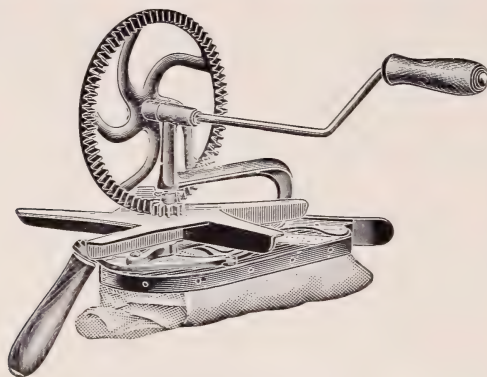
Will place the seed accurately either in the hill or drill, \$10.00. As Hill Dropper Drill, only \$7.50.

No. 18. Combined Single Wheel Hoe and Drill, similar to No. 47, without the Hill Dropping device, \$9.00.



Gem of the Garden, Single Wheel Hoe.

Gem Double Wheel Hoe.....	\$ 5 50
Gem of the Garden Single Wheel Hoe.....	4 50
Iron Age Single Wheel Hoe, No. 20.....	5 50
Iron Age Single Wheel Hoe, Hoes only.....	3 50
Iron Age Double Wheel Hoe.....	6 60
Iron Age Double Wheel Hoe, with side hoes only.....	3 75



Premier Broadcast Seed Sower, \$1.00.

GARDEN TOOLS.

Asparagus Knives, each	\$ 35	Dandelion Pullers.....	\$ 20
Excelsior Weeders	20	Lang's Weeders.....	20
Combination Weeders	25	Lane's Mole Trap	50
Steel Trowels	50	Putty Bulbs.....	85
Chisel Pruners	1 00		

ARMOUR'S FERTILIZERS.

Armour's Grain Grower. Especially adapted for the growing of all cereals and for general farm use, quick and lasting.

Analysis—Ammonia	Available Phos. Acid	Potash K ₂ O	Price
per ct. 2	per ct. 8	per ct. 2	per ton \$22.00

Fruit and Root Crop Special. For fruit trees and small fruits, grapes, etc., potatoes, beets, onions and all root crops.

Analysis—Ammonia	Available Phos. Acid	Potash K ₂ O	Price
per ct. 2	per ct. 8	per ct. 5	per ton \$28.00

Bone, Blood and Potash. Made of dissolved bone meal, dried blood and with potash in the form of sulphate and nitrogen in the form of nitrate of soda added. It is especially adapted for the culture of celery, asparagus, corn, fruits, grapes, tomatoes, cucumbers, melons, squash and wherever a very concentrated fertilizer is wanted.

Analysis—Ammonia	Available Phos. Acid	Potash K ₂ O	Price
per ct. 5	per ct. 8	per ct. 7	per ton \$36.00

Wheat, Corn and Oat Special. For all cereal crops.

Analysis—Ammonia	Available Phos. Acid	Potash K ₂ O	Price
per ct. 1	per ct. 7	per ct. 1	per ton \$18.00

Bone Meal. Made from pure finely ground bones, steamed in vats and thus rendered readily available in the soil, largely used for fruit, with either wood ashes or Muriate of Potash.

Analysis—Ammonia	Available Phos. Acid	Bone Phos.	Price
per ct. 3.	per ct. 24	per ct. 52	per ton \$25.00

INSECTICIDE.



Pat. March 16 and Nov. 9, 1897.

Pat. in Canada Nov. 2, 1897,
and Jan. 25, 1900.

Put up in packages as follows, with trade mark on each package:

1-lb package	\$ 15	12½-lb package	\$1 00
3-lb package	35	100-lb package	7 00
5-lb package	50	Perfection Shaker for applying Bug Death	65

Bug Death may be applied dry with the Perfection Shaker, or with a small bag made from burlap or gunny cloth having the right mesh; also mixed with water and sprayed as above stated. The best spray for fruit trees.

Hammond's Slug Shot. Kills the currant worm, potato bug, cabbage worm, slugs and aphids on roses, caterpillars, bugs on melons and cucumbers, cut worms, sow bugs, lice on fowls, curculio on plums, tobacco worms, etc.

Price per 5-lb package, 30 cts.; 100-lb \$3.50.

Tobacco Dust. Fertilizer and insecticide, lice on lettuce.

Price per 5-lb, 25 cts.; 15-lb, 60 cts.; 100-lb, \$2.00.

Twemlow's Old English Glazing Putty Semi-Liquid and Elastic. For bedding glass in sash or for filling cracks or seams in roof joints or frames of greenhouses or hot beds; lasts from 5 to 7 years.

Price per 1 gallon, \$1.25; 5 gallons, \$1.20 per gallon.

JONES' FLIZIP.

The great fly remedy for cows, horses and sheep. How would you like to be a cow and have the flies bite you. Think of the long weary summer days and warm dreary nights of torment. It is not only the protection of your animals from flies, lice, mites and other vermin but it is money in your pocket to use Flizip; it is cheap, as one gallon properly applied will keep 25 cows free from flies for two weeks. The feed saved will more than pay the cost and you will gain in the increase of flesh and increased production of milk.

Price per 1 gallon, \$1.00. Express prepaid to Michigan points.

HORSE-ENE.

The best and cheapest horse and cattle ointment made. Will positively cure galls, cuts, scratches, mud scalds, quarter cracks, sore shoulders, necks, and backs on horses, foot rot on sheep and cattle, sore teats on cows, mange on dogs and all skin diseases.

Price per box, 15 cts.; 2 boxes, 25 cts. Special price on boxes 1 and 5 pounds.

THISTLEINE.

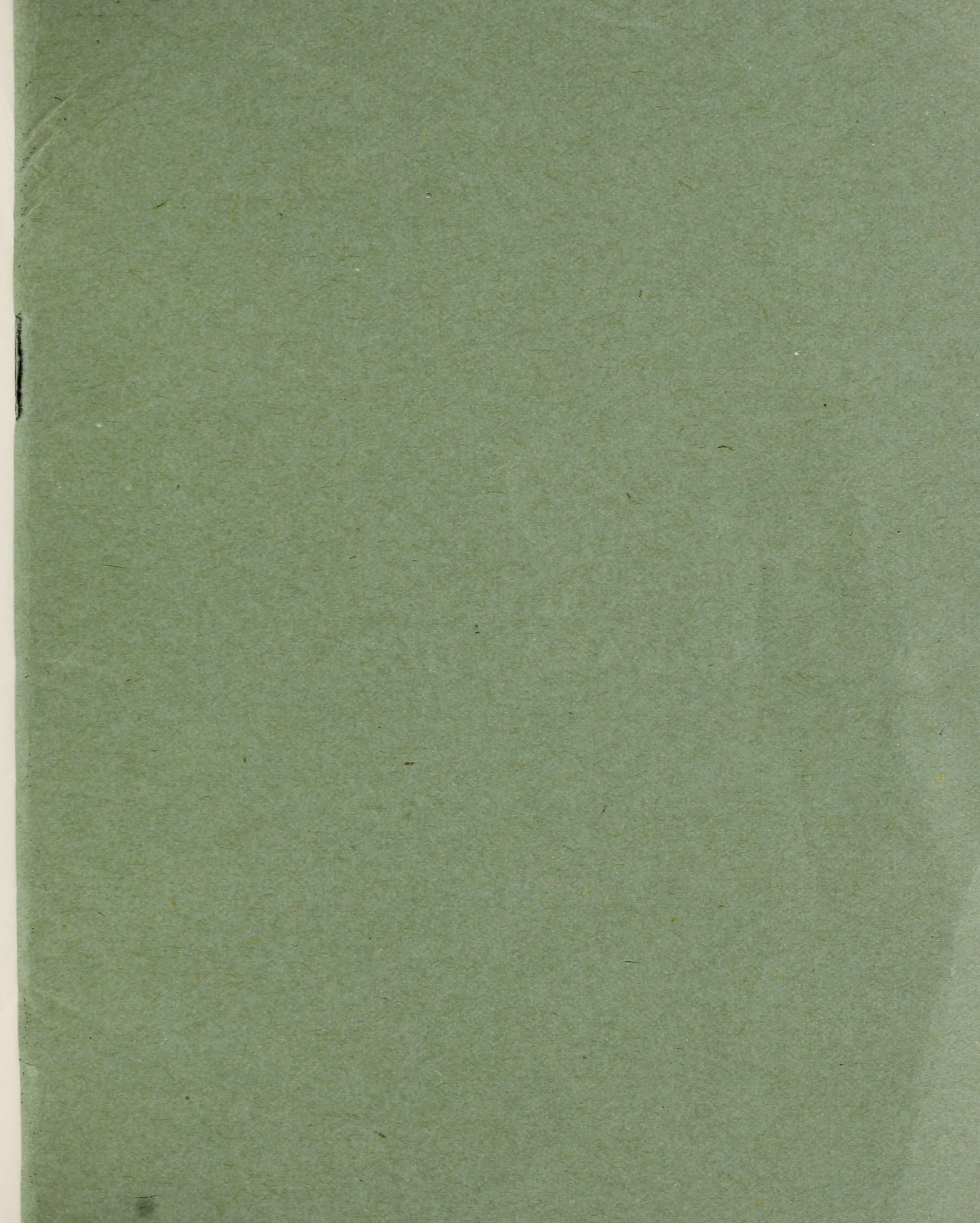


The great Thistle and Weed Killer. Thistleine is a chemical preparation and when applied to the leaves and stalks of Canadian Thistles, Burdock, Dandelion, Johnson grass, Mullen Plantain or other fibrous plants, will absolutely and positively kill them root and branch. Canada thistle, the farmer's greatest enemy can be cheaply and easily overcome. Thistleine follows the fibers of the plant and works all through the roots and will kill every rootlet. Thistleine should be dissolved in boiling water. One pound will make one gallon of liquid strong enough to kill Canada Thistle. It should then be applied with a spray pump to the leaves and stalks. For killing weeds in the walks and driveways and city streets it is unequalled. Your money back if it don't do the work.

Price—5-lb can, \$2.00.

WEIGHTS OF VARIOUS ARTICLES.

	Per bush.		Per bush.
Barley	48	Grass, Sheep's Fescue.....	12
Beans	60	“ Meadow Fescue or English	
Buckwheat	48	“ Blue Grass.....	22
Canary Seed	60	“ Perennial Rye.....	20
Castor Beans.....	46	“ Timothy	45
Clover Seed	60	“ Wood Meadow.....	14
Corn, field, shelled.....	56	“ Kentucky Blue.....	14
“ “ on ear.....	70	“ Fowl Meadow	12
“ sweet, sold by measured bushel.		“ Rough Stalked Meadow.....	14
Flax Seed	56	“ Hemp Seed.....	44
Grass, Rhode Island Bent.....	14	Hungarian	48
“ Creeping Bent.....	20	Millet, Gorman or Golden	50
“ Red Top (in chaff)	14	Millet	50
“ “ (cleaned from chaff).....	32	Peach Pits	50
“ Meadow Foxtail	7	Peas, smooth.....	60
“ Tall Meadow Oat	10	“ wrinkled.....	56
“ Awnless Brome	14	Rape	50
“ Orchard	14	Rye.....	56
“ Hard Fescue	12	Vetches or Tares.....	60
“ Tall “	14		



**THISTLEINE
KILLS
CANADA THISTLES**

Powers-Tyson Printing Co.
Grand Rapids, Mich.